ELECTRIC CUTTER

An equipment that is

useful in cutting metal,

concrete, shutter and

other similar metal

MAN, MACHINE AND MISHAP

■ While rescue teams comprising NDRF, fire and rescue personnel, city commandos and police are on their feet doing their best to help victims and pull out survivors, the lack of gadgets or equipment puts a spanner in rescue operations

C. S. KOTTESWARAN | DC CHENNAI, JULY 2

Although nearly ₹300 crore has been allocated for disaster management in Tamil Nadu since 2010, Chennai is still not equipped to handle an emergency like the Porur

building collapse.

It has taken authorities five days to rescue 27 people and exhume over 47 bodies and they are still working to reach out to more . Not surprising when the Chennai corporation does not have even basic equipment like float-ing water pumps, reflec-tive jackets, searchlights, high- end generator sets, gas cutters for metal, wood and concrete, movable tents or inflatable lighting tower systems for use in

The city also lacks a uniform emergency communication wireless system integrating the police, fire force, corporation and ambulance services, a digital radio system that can work in tunnels and underground railway

Tower Light This equipment helps to light up surrounding areas that are otherwise dark and with no illumination and is supported by a



In times of dealing with cri-

sis situations it becomes

involved in the disaster

lines, and highway digital

notification boards that

can divert motorists from

a disaster site. "Multi -

purpose cameras and life

detectors are now an essential part of disaster

response.

vital to maintain communi-

cation with all stakeholders

It can be Digital Board installed in highways and arterial roads informing motorists to divert in case of accidents and dis-





tors support a micro-

phone, a speaker and LED lights and can rotate 360 a structural collapse disaster requires high expertise and equipment assistance, Their cameras with according to him. "For instance, certain life detec-

2010-11

2011-12

2012-13

2013-14

2014-15

Thermal Camera

extended probes can send images when inserted into rubble, helping to identify

Wood Cutter

A handheld light

that can cut any

a tree. It is useful

during storm that

uproots trees.

Also called an infrared cam-

weight instrument

wood or branches of

those trapped and also allowing the victims to

Madhavan explains,
Recalling that in 2003 the
corporation budget had
called for establishing a wireless network among its field staff, but shelved it later due to high input costs, former deputy mayor, Karate R. Thiagarajan, says this was

a mistake as in case of disasters a wireless network can speed up rescue opera-

tions.

"In 2005, when a building collapsed in Santhome it took a long time to contact corporation officials for the rescue operation. Local bodies need to be more technologically advanced," he stresses.

When contacted, a corporation official said that the civic body was equipped with earth-movers, gas cutters and tree cutter to deal with disasters, but admitted it equipment like generators, searchlights and concrete cutters that were essential too in such situations.

Andhra Pradesh

508.84

534.28

560.99

589.04

618.49

2811.64

gadgets helpful

DC CORRESPONDENT CHENNAI, JULY 2

Hi-tech tools, like victim location equipment and breaching system, heart beat detectors and thermal imaging cameras have come to the aid of the National Disaster Response Force (NDRF) officials in the search and rescue operation of victims at the building collapse site at Moulivakkam. "Our advanced life

detectors send out electromagnetic waves and alert the rescue personnel," commandant M.K.Verma said. The victim location equipment and breaching system which comes with a 'camera with an extended probe' can go through small openings. As we clear the rubble, using crow bars and other cutting equipment, we send in the victim location camera, which has a rod extending up to 4 m with a camera attached to it which is capable of rotating 360 degrees. It enables two-way communication and the rescuers can hear sounds from victims and can talk back to them as the device comes fitted with a microphone and a speaker, an NDRF official

The NDRF also uses thermal imaging cam-eras, the infrared rays being capable of penetrat-ing through rubble and concrete while th

e images can be seen on the screen attached to it. "We also have two snif-fer dogs trained specially to spot a human," said NDRF Commandant M. K. Verma. "It is not the equipment alone. Personnel from several state agencies, including the NDRF, Fire and Rescue, police commandos and home guards, are working relentlessly to rescue the victims," he said.

KIN WAIT ENDLESSLY

DC CORRESPONDENT CHENNAI, JULY 2

Relatives of M. Murugan (32) from Virudhunagar district are anxiously waiting outside the emergency centre of Sri Ramachandra hospital hoping to hear some news - either of his survival or death.

We have been here for the last five days. We had hope till Tuesday but now it's not possible for him to be alive," said relative Muthukrishnan. Murugan's wife Shanmuga Ganapathy has no clue about Murugan's condition. "We do not want to inform her. She still hopes Murugan will come home," said her brother Azhagumuthu. Watching the building collapse news, Murugan's

"Rather than living with

the injury and pain I should

have died at the site," said Sushila, one of the sur-vivors of the Porur build-

ing collapse. She is recei-

ving treatment at the Rajiv Gandhi Government G-

For Sushila it is second

time lucky. She recalled she

had survived another build-

ing collapse in Sriperumbudur three years ago, but there was a very few casualties and injuries,

as the incident took place

involved in construction work on the 11th floor of

worker was

eneral Hospital.

at 3.00 am.

As the

Mookandi came Chennai and after seeing

Ramachandra Medical Centre on Wednesday.

Relatives of M.

Murugan at Sri

a dead body being taken out from the debris of the construction site, he fell ill. "He is in the hospital now. He collapsed thinking his son too would be crushed to death," said Azhagumuthu.

On Saturday, Murugan had called his mother at about 3 pm and said he would get his wages and return home to visit the Melmaruvathur temple. Murugan and his wife have two daughters.

collapse. "We stayed on the

ground floor of the site and

on the day of the accident

my aunt was working on

the 10th floor, while my

uncle was assigned the

11th floor. I was also on duty

on the 11th floor," she said.

"When the building

FOR SUSHILA, PORUR WAS 2ND DISASTER

Please find my pregnant wife, says survivor Mahesh

founder,

management and they

don't cost very much,'

says Mr Anoop Madhavan,

Instincts, an NGO working

on disaster response and search operations.

UMA KANNAN | DC

They were a happily married couple for just six months. Their joy had known no bounds when they came to know that the bride had conceived three months ago. Along with their family members, Mahesh (23) and Sujatha (21) came to Chennai to work at the construction site only 10 days before the building was fated to collapse. While Mahesh was rescued 62 hours after the collapse, Sujatha's fate has not been so good. She is still somewhere under the rub-

Lying restlessly on his bed at Sri Ramachandra Medical Centre, a shocked and exhausted Mahesh said on Wednesday morning, "My wife and I were together under the debris till an hour before I was rescued (Mahesh was pulled out alive at about 7 am on Tuesday). said she was thirsty and wanted water immediately. At one point, we both felt we would not be able to come out alive," said Mahesh. However, destiny had other plans. Another collapse under the rubble during the rescue opera-tion may have separated them. Suddenly, Mahesh saw lights above him and he was pulled out soon.

began to collapse, we sensed something was wrong and everybody on sensed the floor cried out and ran. But, in no time, the accident took place. I could hear people crying for help. His relative K.P. Raju said as Mahesh was in the state of shock he When a man next to me was rescued, I remembered crycould not speak and ing for help with a high voice twice and the hand of inform the rescue workers that his a policeman offered help. That was what I rememwife was lying bered, I then fell unconthere along with scious," she noted. Sushhim. He was taken to the

hospital and

the building, rescuers were ila's aunt and uncle were found on Sunday but they able to take her out on the were dead. day of the collapse itself "I don't_even know the (Saturday) and sent to the language. I came here to work to look after my three-My life has changed totally within four days of the injury. I have lost all my confidence. I doknow whether I can ever go back to work as a normal pero n again," she con-



My wife said she was thirsty and wanted water immediately. At one point, we both felt we would not be able to come out alive

- MAHESH. Survivor waiting for



ing." said Raiu. Another miraculous survivor, plumber Prakash (25) from Odisha, came to Chennai only on May 21 and he was pulled out after struggling in the debris of the building for 72 hours. Prakash had worked

in Abu Dhabi for two years before his



Power went off due to heavy rain. Instead of chitchatting with others, I went to the opposite collapsed. I had to drink my urine to survive

childhood friend Amar had

"I was working on the sev-

enth floor along with my

friend and other workers.

called him to Chennai.

— PRAKASH. Plumber from Odhisha |



Power went off due to

heavy rain. Instead of chitchatting with others, I went to the opposite flat when the building col-AISHWARYA VP lapsed. I had to drink my urine to survive. Only after CHENNAI, JULY 2 coming to the hospital did I come to know about the death of my dear friend Amar," cries Prakash. "I lost him. He was just a few feet away," said the youngest of the three brothers whose fingers still carry traces of cement reminding him of the trauma. Seeing his picture in the newspapers, he pointed out to say his name was not Yukesh or Vikash, it is Prakash. And he lives to



DATA OF FUNDS ALLOCATED TO STATE

GOVERNMENTS THROUGH NATIONAL

DISASTER MANAGEMENT

Tamil Nadu

293.52

308.2

323.61

339.79

356.78

1612.9 (₹

bodies.

Reports of workers being injected with medicines has been spreading in the area around the collapsed building in Mouliwakkam, but people living or working near the site of the collapsed building in Moulivakkam need not fear of the spread of any disease from bodies. It is only as a precaution in the event of injury that Tetanus Toxoid is being administered to those rescue workers who have received any cuts from the

debris during the rescue

operation, health department officials said. Director of Public Dr Health, Kulandaisamy explained, "People may have misunderstood that TT is administered from the dead bodies. administered mandaworkers who sus-

and clearing the iron rods and so on.'

Deputy director of health Dr K Krishnaraj said that no infection or disease would spread from dead

He also clarified doubts in the minds of the public that the body of a person who had died in an accident or who had committed suicide will not spread any infection as long as the person did not have any disease. Krishnaraj said TT was being administered to more than 60 persons who received fresh injury during the rescue operation.

Dr Kulandaisamy said that mask and gloves were being distributed to the rescue workers due to dust generation while using machines to clear the garbage.

Gloves are also being dis-



Tireless presence of 108, men

Jackson Jose | dc Chennai: July 2 S. Krishna, K. Babu and their 108 ambulance team have been at the collapse site since day one, part of one of the greatest tragedies that have shaken Chennai in recent times. As personnel drawn from various agencies continue their efforts to rescue victims among the mangled steel rods and broken concrete, the duo wait. Sixteen such ambulances have been deployed at the collapse site with access to green corridors created by traffic police. The access allows them to move faster. Krishna, the pilot says, "It is three kilometers from here to Ramachandra; we cover the distance in six minutes." The three gates leading to the building have three 108 ambulances deployed near the entrance. Babu adds, 'We got a call to come at 10:30 or

Saturday when we were stationed at the Governor's house and since then we have been at this spot, working in shifts." In addition to white 108

ambulances, 18 mortu-ary vans to carry dead bodies are also at the site. Babu, the technician, says, "We brought out two people alive, but another was dead by the time we reached the hospital. As the person is brought out by the rese brought out by the rescue teams, the victim is checked for vital signs including BP and then taken into the ambulance."

